

SERVICE MANUAL

AEP Model **UK Model**

This set is the amplifier Section in XO-70/D70CD.



SPECIFICATIONS

Amplifier

Continuous RMS power output (Continental European model) 55 W + 55 W (at 1kHz, 5% T.H.D.)

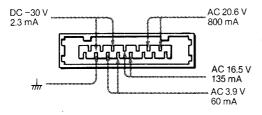
Inputs

mpato	Jack type	Sensitivity	Impedance
PHONO IN	Phono	2 mV	50 kohms
VIDEO/DAT IN	Phono	150 mV	50 kohms
CDIN	Phono	150 mV	50 kohms
MIC	Phone	2 mV	50 kohms

Outputs	1. 1. 1	Early Market Department of the Comment							
	Jack type	Voltage	mpedance						
VIDEO/DAT	Phono	150 mV 470	ohms						
SURROUND SPEAKER	Phono	Accepts speakers of 6 16 ohms.	ohms to						
HEADPHONES	Stereo phone	Accepts headphones of more.	f 8 ohms or						

SYSTEM CONTROL connector

SYSTEM CONTROL 2: 15-pin



DOL

+6dB (100 Hz)

Dimensions

Approx. 355 × 117.1 × 330 mm (w/h/d)

 $(14 \times 4^5/e \times 13 \text{ inches})$

Weight

Approx. 6.4 kg (14 lb 2 oz)



SAFETY-RELATED COMPONENT WARNING!!

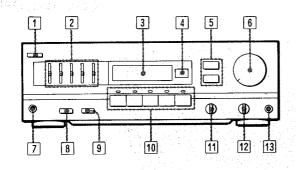
COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK A ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUB-LISHED BY SONY.

INTEGRATED STEREO AMPLIFIER SONY

SECTION 1 GENERAL

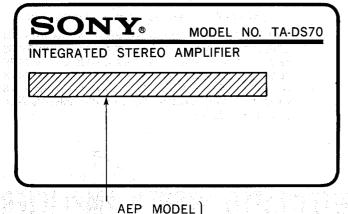
1-1. PARTS IDENTIFICATION

Amplifier



- 1 POWER switch
- 2 5 BAND GRAPHIC EQUALIZER controls
- 3 5 BAND SPECTRUM ANALYZER
- 4 Remote sensor
- 5 EQUALIZER RECORDING button and EQ REC (equalizer recording) indicator
- 6 VOLUME control
- 7 HEADPHONES jack (stereo phone jack)
- 8 SURROUND button
- 9 DOL (dynamic optimum loudness) button
- Tip Function (VIDEO/DAT, TAPE, CD, TUNER and PHONO) selectors and indicators
- 11 BALANCE control
- MIC (microphone) LEVEL control
- 13 MIC (microphone) jack (phone jack)

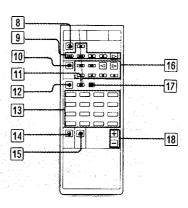
1-2. MODEL IDENTIFICATION (Specification Label)



Itarian (IT) MODEL : AC 240V~50/60Hz 110W West Germany (WG) MODEL

UK MODEL : AC 240V~50/60Hz 240W

Remote Commander



The function of the CD player operation buttons, TAPE deck operation buttons and TUNER buttons are the same as those on each unit.

- **8** CD button
- 9 CD player operation buttons
 - ▲ OPEN/CLOSE

IKIKI, CICIAMS (Automatic Music Sensor)

- II Pause, Stop, > Play
- 10 TAPE button
- 11 BAND selector
- 12 TUNER button
- 13 Numeric buttons (1 to 12 for tuner/1 to 16 for CD player)
- 14 PHONO button
- 15 VIDEO/DAT (digital audio tape) button
- 16 TAPE deck operation buttons

Note on TAPE deck operation buttons

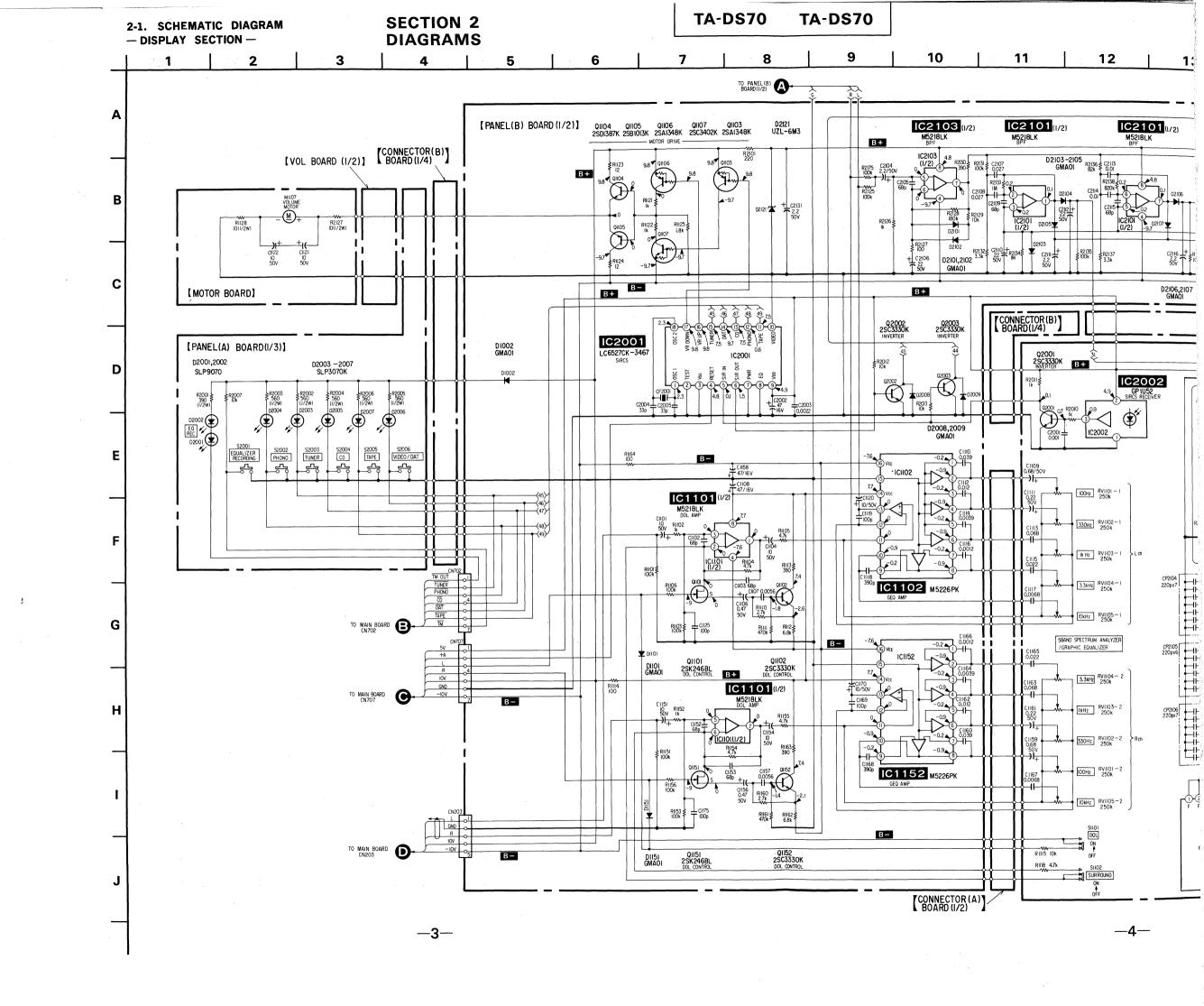
When cassettes are loaded in both decks, the tape deck operation buttons can operate only deck B. When one cassette is loaded, these buttons can operate only the deck with the cassette.

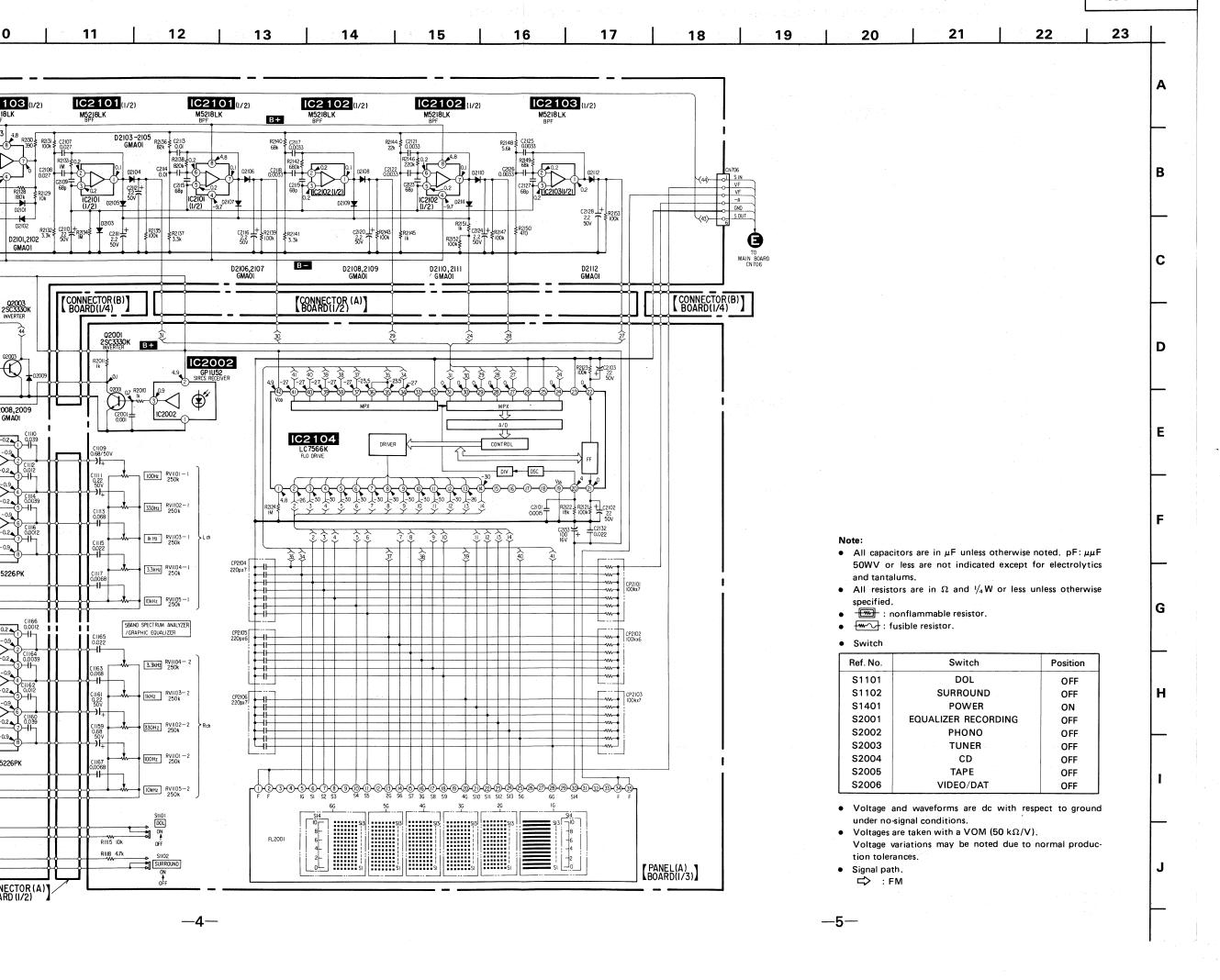
17 TUNER/CD selector

TUNER: Numeric buttons (1–12) can be used for preset tuning on the tuner.

CD: Numeric buttons (1–16) can be used for direct music selection on the CD player.

18 VOLUME +/- buttons





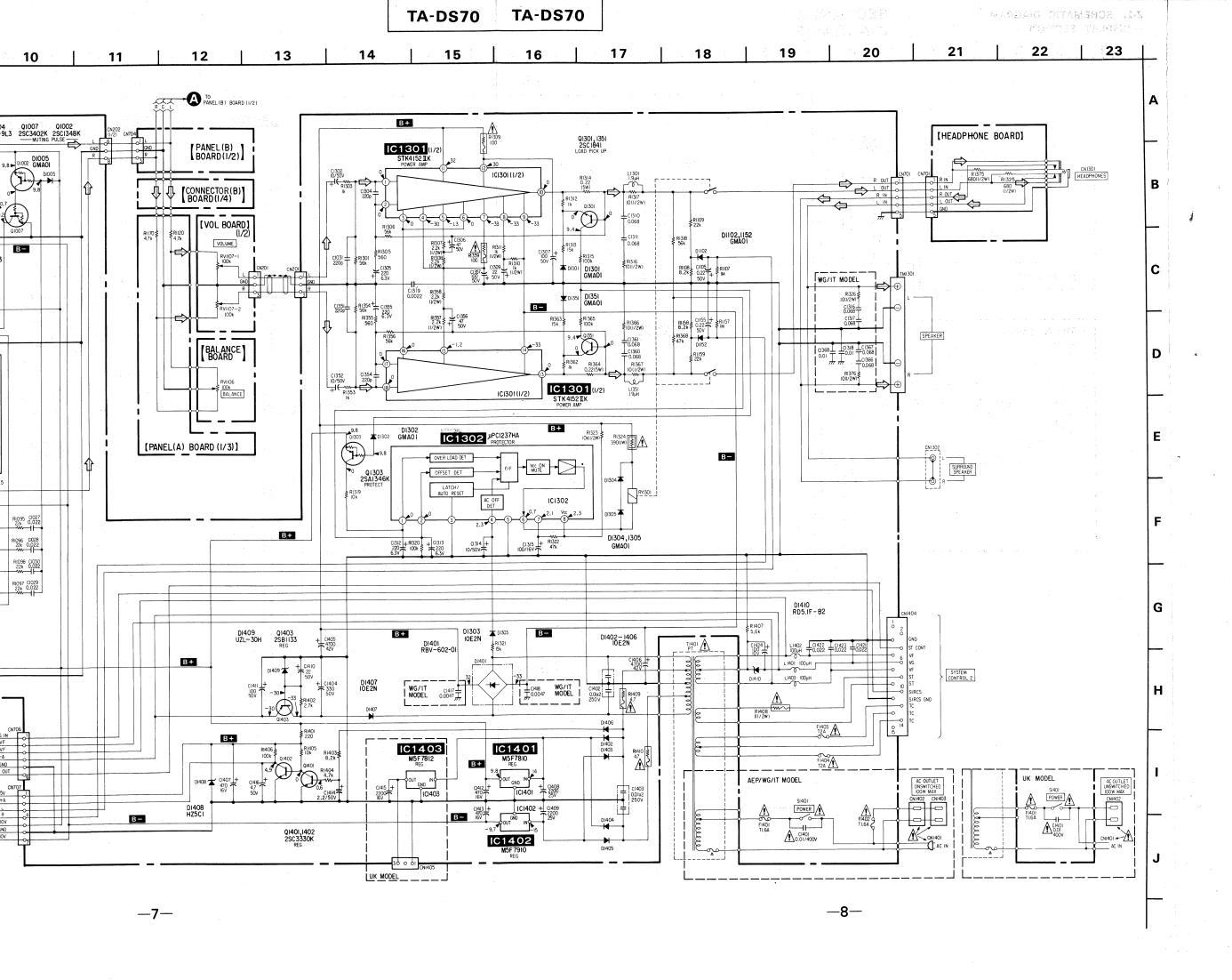
WG: West Germany model

Note: The components identified by mark \bigwedge or dotted line with mark \bigwedge are critical for safety. Replace only with part number specified.

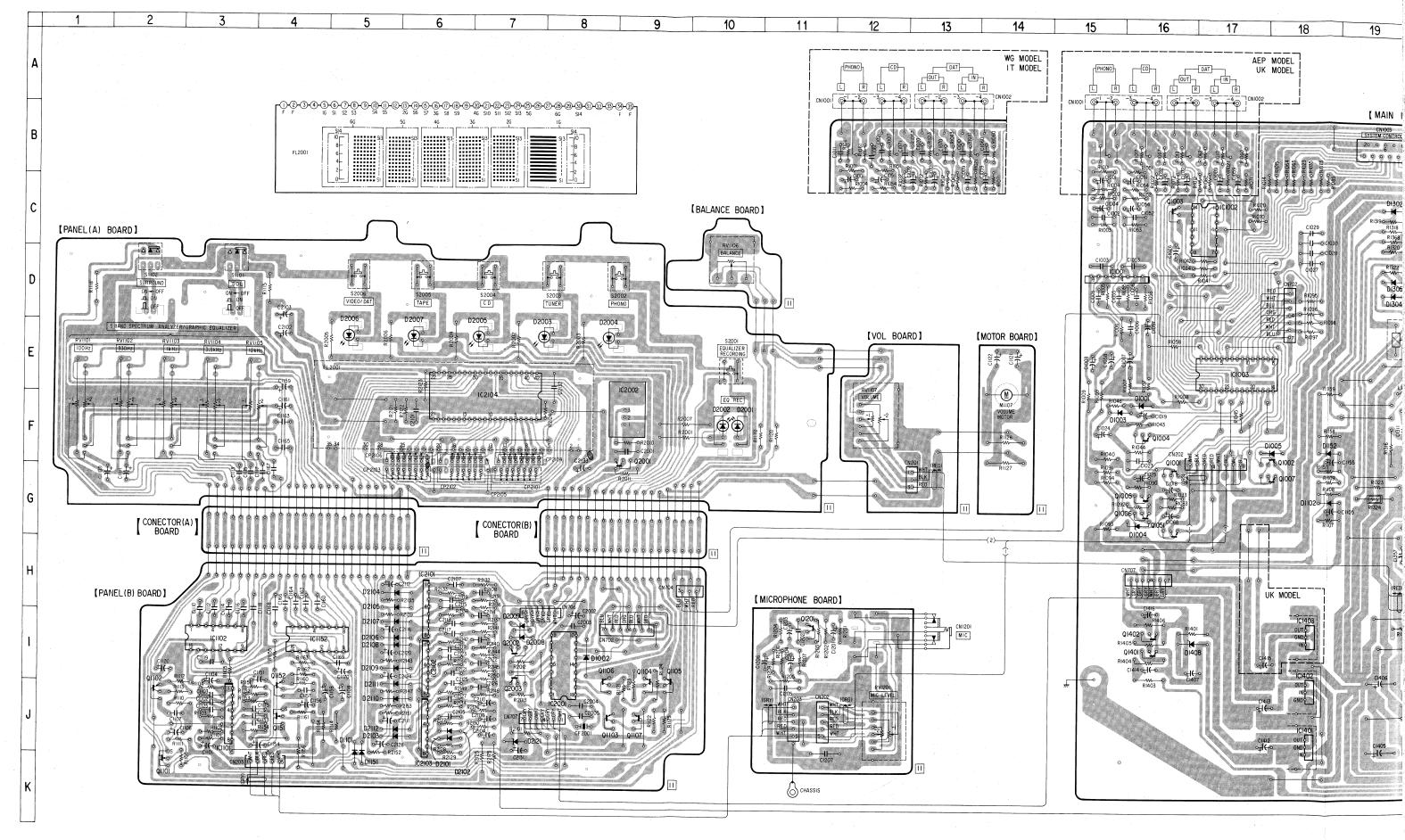
—7—

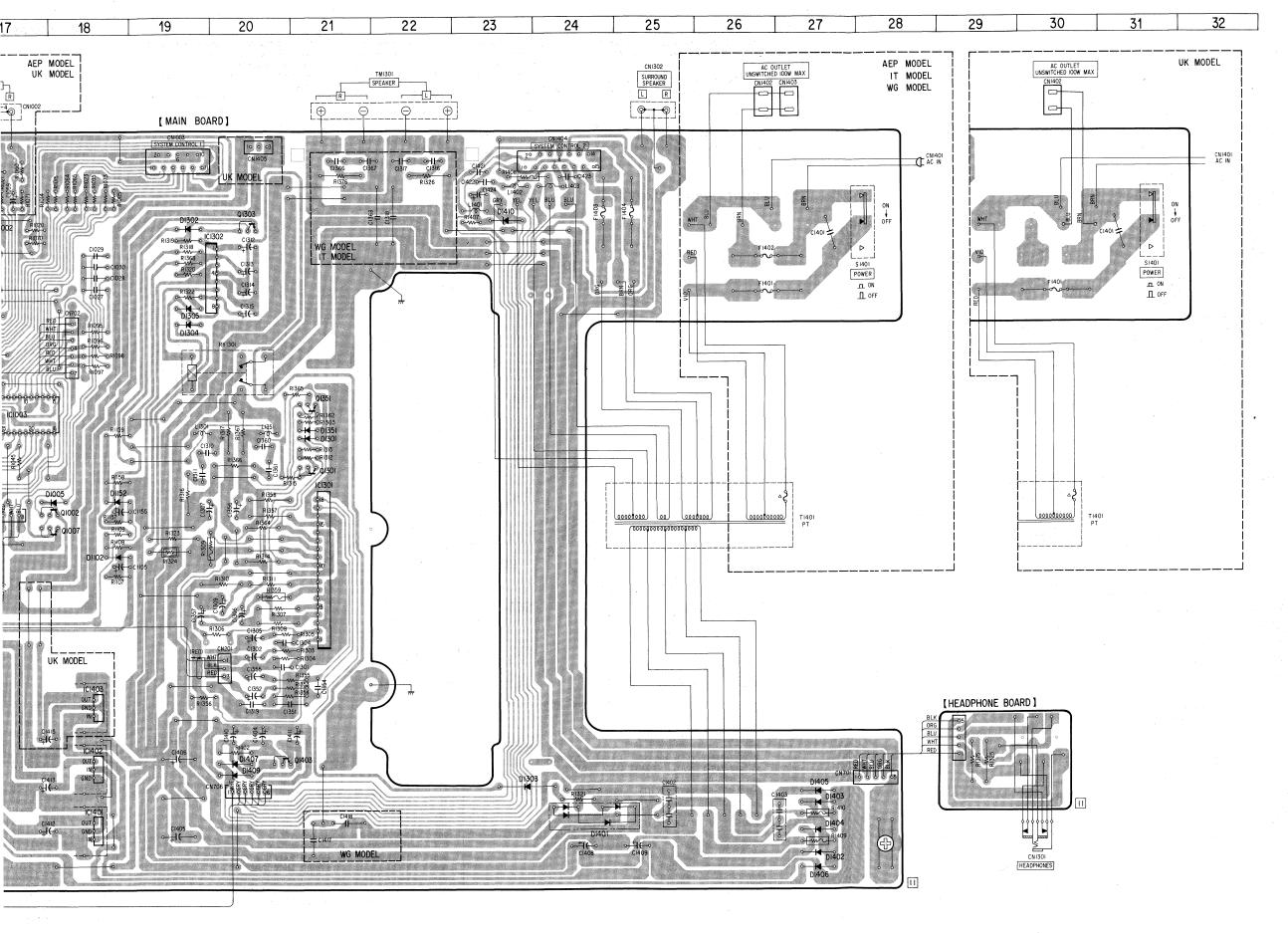
D1408 HZ5C1

> Q1401,1402 2SC33330K REG



2-3. PRINTED WIRING BOARDS • Refer to page 13 for Semiconductor Lead Layouts.

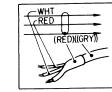




• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D1001	F-16	IC1001	D-15
D1002	I-8	IC1002	C-17
D1003	F-15	IC1003	E-17
D1004	G-16	IC1101	J-3
D1005	F-18	IC1102	I-3
D1101	J-5	IC1152	1-4
D1102	G-18	IC1301	G-21
D1151	K-5	IC1302	C-20
D1152	F-18	IC1401	J-18
D1301	E-21	IC1402	J-18
D1302	C-19	IC1403	I-18
D1303	J-23	IC2001	I-8
D1304	D-19	IC2002	F-9
D1305	D-19	IC2101	H-6
D1351	E-21	IC2102	I-6
D1401	J-24	IC2103	J-6
D1402	K-27	IC2104	F-7
D1403	J-27		
D1404	J-27	Q1001	F-16
D1405	J-27	Q1002	F-18
D1406	K-27	Q1003	C-16
D1407	I-20	Q1004	F-16
D1408	I-16	Q1005	G-16
D1409	J-20	Q1006	G-16
D1410	C-23	Q1007	G-18
D2001	F-10	Q1051	G-16
D2002	F-10	Q1101	K-2
D2003	E-7	Q1102	J-2
D2004	E-8	Q1103	J-8
D2005	E-7	Q1104	J-9
D2006	E-5	Q1105	J-9
D2007	E-6	Q1106	J-8
D2008	1-7	Q1107	J-9
D2009	I-7	Q1151	J-4
D2101	J-6	Q1152	J-4
D2102	J-6	Q1201	I-11
D2103	J-5	Q1301	F-21
D2104	H-5	Q1303	C-20
D2105	H-5	Q1351	E-21
D2106	I-5	Q1401	I-16
D2107	I-5	Q1402	I-16
D2108	I-5	Q1403	I-20
D2109	I-5	Q2001	F-9
D2110	J-5	Q2002	I-7
D2111	J-5	Q2003	I-7
D2112	J-5		
D2121	J-7		

• Color code or sleeving over the end of the jacket.



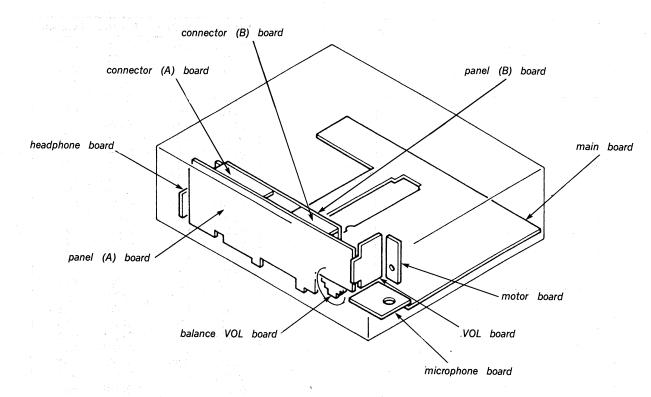
• o---: parts extracted from the component side.

WG: West Germany model

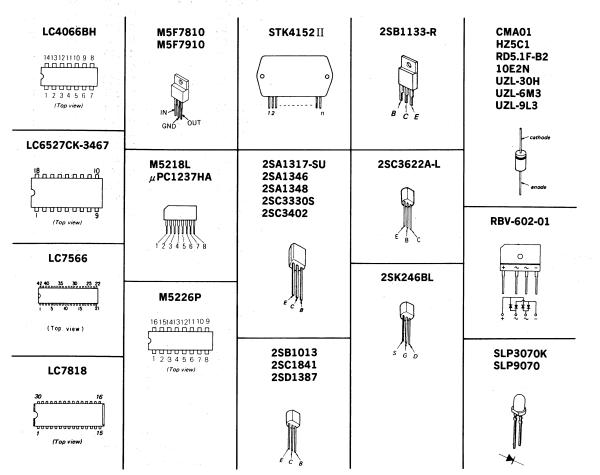
IT : Itarian model

SECTION 3 EXPLODED VIEWS

2-4. CIRCUIT BOARDS LOCATION



2-5. SEMICONDUCTOR LEAD LAYOUTS



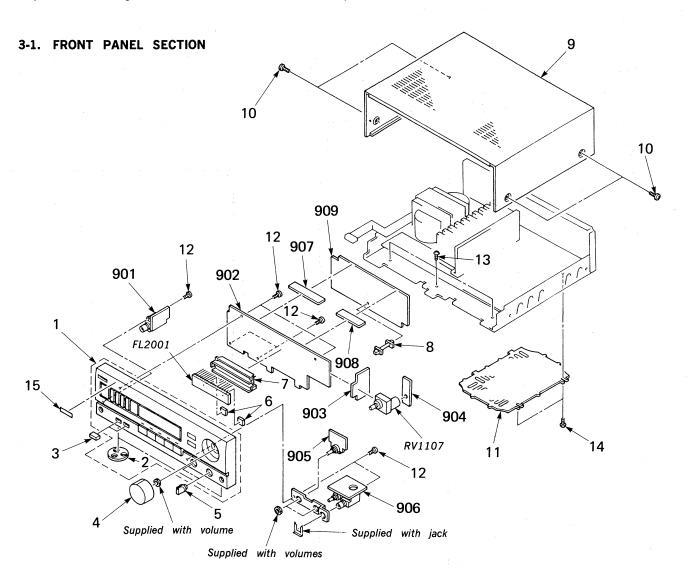
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.

The components identified by mark \bigwedge or dotted line with mark \bigwedge are critical for safety. Replace only with part number specified.

WG: West Germany model

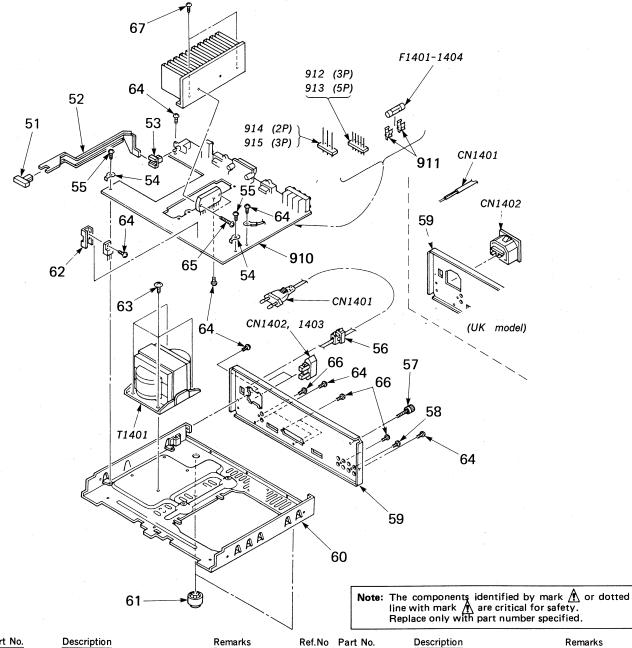
IT : Itarian model



Ref.No	Part No.	Description	Remarks	Ref.No	Part No.	Description	Remarks
1	X-4917-244-1	(AEP, UK, IT)PANEL ASSY, FROM	T 2	11	*X-4917-246-1	CHASSIS ASSY	
1	X-4917-245-1	(WG)PANEL ASSY, FRONT	2	12	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S	
2	4-921-906-01	FELT		13	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
3	4-918-062-62	(AEP, UK, IT)BUTTON (G) (SURR	OUND, DOL)	14	7-682-548-04	SCREW +BVTT 3X8 (S)	
3	4-918-062-71	(WG)BUTTON (G) (SURROUND, E	OOL)	15	3-701-690-00	(UK)LABEL (MADE IN JAPAN)	
4	4-925-121-11	(WG)KNOB (VOLUME)		901	*1-627-332-11	PC BOARD, HEADPHONE	
4	4-925-121-21	(AEK, UK, IT)KNOB (V2) (VOLUM	E)	902	*1-627-333-11	PC BOARD, PANEL (A)	
5	4-908-097-11	(AEK, UK, IT)KNOB (BALANCE, N	NC LEVEL)	903	*1-627-336-11	PC BOARD, VOL	
5	4-908-097-21	(WG)KNOB (BALANCE, MIC LEVE	L)	904	*1-627-337-11	PC BOARD, MOTOR	
6	* 4-921-941-21	CUSHION (FL)		905	*1-627-338-11	PC BOARD, BALANCE VOL	
7	* 4-923-103-01	HOLDER, FL TUBE		906	*1-627-335-11	PC BOARD, MICROPHONE	
8	* 3-661-764-00°	HOLDER, PCB		907	*1-627-339-11	PC BOARD, CONNECTOR (A)	
9	4-919-378-21	(AEP, UK, IT)CASE	and the second	908	*1-627-340-11	PC BOARD, CONNECTOR (B)	
9	4-919-378-31	(WG)CASE		909	* A-4375-405-A	MOUNTED PCB, PANEL (B)	
10	3-704-366-01	SCREW (CASE) (M3X8)	1				

SECTION 4 ELECTRICAL PARTS LIST

3-2. CHASSIS ASSEMBLY



					He	eplace only with part number spec	
Ref.No	Part No.	Description	Remarks	Ref.No	Part No.	Description	Remarks
51 51		(AEP, UK, IT)BUTTON (P) (POWE (WG)BUTTON (P) (POWER)	R)	67 910		SCREW +BVTT 3X10 (S) (AEP)MOUNTED PCB, MAIN	
52	*4-925-151-01	JOINT		910	* A-4388-769-A	(UK)MOUNTED PCB, MAIN	
53. 54		JOINT (B), KNOB PLATE, GROUND		910 911		(WG, IT)MOUNTED PCB, MAIN HOLDER, FUSE	
55 56	3-703-685-21 *3-703-244-00	SCREW (+BV 3X8) BUSHING (2104), CORD			*1-535-116-00 *1-535-118-00		
57	*3-706-165-00	(AEP, WG, IT)SCREW		914	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P	
58 59	*4-925-111-01	SCREW, TERMINAL, + BVTP CLAW (AEP, IT)PANEL, BACK		CN1401 ₫	.1-555-750-00	BASE POST 22MM (10MM PITCH) 3P (AEP, WG, IT)CORD, POWER	
59 59		(WG)PANEL, BACK (UK)PANEL, BACK				(UK)CORD, POWER (AEP, WG, IT)OUTLET, AC	
60 61	*X-4917-246-1 X-4921-901-1	CHASSIS ASSY FOOT ASSY				(UK)OUTLET, AC (AEP, WG, IT)OUTLET, AC	
62	*3-309-144-21	HEAT SINK		F1401 💇	.1-532-259-00	FUSE, TIME-LAG	
63 64	7-682-548-04	SCREW +BVTT 4X6 (S) SCREW +BVTT 3X8 (S)		F1403 🛧	1-532-203-00	FUSE, TIME-LAG FUSE, TIME-LAG	
65 66	7-685-650-79 7-685-646-79	SCREW BVTP 3X16 TYPE2 IT-3 SCREW +BVTP 3X8 TYPE2 N-S				FUSE, TIME-LAG TRANSFORMER, POWER	

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS: MF: μF, PF: μμF.

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

MMH: mH, UH: μH

SEMICONDUCTORS

In each case, U: μ, for example: UA...: μΑ..., UPA...: μPA..., UPC...: μPC, UPD...: μPD... The components identified by mark \(\frac{\hat{\Lambda}}{\text{\chi}}\) or dotted line with mark \(\frac{\hat{\Lambda}}{\text{\chi}}\) are critical for safety.

Replace only with part number specified.

WG: West Germany model

IT : Itarin model

Ref.No	Part No.	Description				Ref.No	Part No.	Description			
901 902 903 904 905	*1-627-333-11 *1-627-336-11 *1-627-337-11	PC BOARD, HEADPHO PC BOARD, PANEL (A PC BOARD, VOL PC BOARD, MOTOR PC BOARD, BALANCE)			C1060 C1061 C1068 C1070 C1071	1-162-286-31 1-162-286-31 1-124-902-00 1-162-286-31 1-162-286-31	(WG, IT)CERAMIC (WG, IT)CERAMIC ELECT (WG, IT)CERAMIC (WG, IT)CERAMIC	220PF 0.47MF 220PF	10% 10% 20% 10% 10%	50V 50V 50V 50V 50V
907 908 909	*1-627-339-11 *1-627-340-11 *A-4375-405-A	PC BOARD, MICROPH PC BOARD, CONNECT PC BOARD, CONNECT MOUNTED PCB, PANE (UK)MOUNTED PC	OR (A) OR (B) EL (B)			C1101 C1102 C1103	1-124-925-11 1-123-875-11 1-162-219-31 1-162-219-31 1-123-875-11	ELECT CERAMIC	2.2MF 10MF 68PF 68PF 10MF	20% 20% 5% 5% 20%	50V 50V 50V 50V 50V
911 912		TERMINAL		N		C1106 C1107	1-124-902-00	ELECT ELECT MYLAR ELECT ELECT	0.22MF 0.47MF 0.0056MF 47MF 0.68MF	20% 20% 5% 20% 20%	50V 50V 50V 16V 50V
	*1-535-140-00	BASE POST 22MM (IO BASE POST 22MM (IO PACITOR				C1111 C1112	1-124-464-11 1-130-484-00	MYLAR ELECT MYLAR MYLAR	0.039MF 0.22MF 0.012MF 0.068MF	5% 20% 5% 5%	50V 50V 50V 50V
						C1114		MYLAR	0.0039MF	5%	50V
C1001 C1002 C1003 C1004 C1005	1-124-925-11 1-162-282-31 1-162-219-31 1-124-477-11 1-130-480-00	CERAMIC CERAMIC	2.2MF 100PF 68PF 47MF 0.0056MF	20% 10% 5% 20% 5%	50V 50V 50V 16V 50V		1-130-472-00 1-161-329-00	CERAMIC CERAMIC	0.022MF 0.0012MF 0.0068MF 390PF 100PF	5% 5% 20% 10%	50V 50V 16V 50V 50V
C1006 C1007 C1008 C1009 C1010	1-130-473-00 1-124-464-11 1-124-477-11 1-124-925-11 1-162-286-31	ELECT ELECT	0.0015MF 0.22MF 47MF 2.2MF 220PF	5% 20% 20% 20% 10%	50V 50V 16V 50V 50V	C1120 C1121 C1122 C1125	1-123-875-11 1-123-875-11 1-123-875-11 1-162-282-31 1-123-875-11	ELECT ELECT ELECT CERAMIC	10MF 10MF 10MF 100PF 10MF	20% 20% 20% 10% 20%	50V 50V 50V 50V 50V
C1011 C1018 C1019 C1020 C1021		(WG, IT)CERAMIC ELECT ELECT (WG, IT)CERAMIC (WG, IT)CERAMIC	0.47MF 47MF 220PF	10% 20% 20% 10% 10%	50V 50V 16V 50V 50V	C1152 C1153 C1154 C1155	1-162-219-31 1-162-219-31 1-123-875-11 1-124-464-11 1-124-902-00	CERAMIC CERAMIC ELECT ELECT	68PF 68PF 10MF 0.22MF 0.47MF	5% 5% 20% 20% 20%	50V 50V 50V 50V 50V
C1022 C1023 C1024 C1025 C1026	1-124-925-11 1-161-494-00 1-124-556-11 1-124-908-11 1-124-925-11	CERAMIC ELECT ELECT	2.2MF 0.022MF 2200MF 22MF 2.2MF	20% 20% 20% 20%	50V 25V 16V 50V 50V	C1159 C1160	1-124-477-11	ELECT MYLAR	0.0056MF 47MF 0.68MF 0.039MF 0.22MF	5% 20% 20% 5% 20%	50V 16V 50V 50V 50V
C1027 C1028 C1029 C1030 C1051	1-161-494-00	CERAMIC CERAMIC CERAMIC	0.022MF 0.022MF 0.022MF 0.022MF 2.2MF	20%	25V 25V 25V 25V 50V	C1163 C1164 C1165		MYLAR	0.012MF 0.068MF 0.0039MF 0.022MF 0.0012MF	5% 5% 5% 5% 5%	50V 50V 50V 50V 50V
C1052 C1053 C1054 C1055 C1056	1-162-282-31 1-162-219-31 1-124-477-11 1-130-480-00 1-130-473-00		100PF 68PF 47MF 0.0056MF 0.0015MF	10% 5% 20% 5% 5%	50V 50V 16V 50V 50V	C1167 C1168 C1169 C1170		CERAMIC CERAMIC CERAMIC ELECT	0.0068MF 390PF 100PF 10MF 100PF	20% 10% 10% 20% 10%	16V 50V 50V 50V 50V
C1057 C1058 C1059	1-124-464-11 1-124-477-11 1-124-925-11	ELECT	0.22MF 47MF 2.2MF	20% 20% 20%	50V 16V 50V	C1201	1-124-257-00 1-162-282-31	ELECT	2.2 M F 100PF	20% 10%	50V 50V

Ref.No	Part No.	Description		e ¹ 5		Ref.No	Part No.	Description					g x s f
C1203 C1204 C1205 C1206 C1207	1-124-464-11 1-124-234-00 1-161-327-00 1-124-589-11 1-162-596-00	ELECT	0.22MF 22MF 0.0033MF 47MF 0.022MF	20% 20% 20% 20%	50V 16V 16V 16V 25V	C2104 C2105 C2106 C2107 C2108	1-124-925-11 1-162-219-31 1-124-908-11 1-130-488-00 1-130-488-00	CERAMIC ELECT		2.2MF 68PF 22MF 0.027MF 0.027MF	20% 5% 20% 5% 5%	50V 50V 50V 50V 50V	
C1301 C1302 C1304 C1305 C1306	1-162-286-31 1-123-875-11 1-162-286-31 1-126-176-11 1-124-910-11	ELECT CERAMIC ELECT	220PF 10MF 220PF 220MF 47MF	10% 20% 10% 20% 20%	50V 50V 50V 6.3V 50V	C2109 C2110 C2111 C2112 C2113	1-162-219-31 1-124-908-11 1-124-925-11 1-124-925-11 1-161-379-00	ELECT ELECT ELECT		68PF 22MF 2.2MF 2.2MF 0.01MF	5% 20% 20% 20% 20%	50V 50V 50V 50V 16V	
C1307 C1309 C1310 C1311 C1312	1-124-122-11 1-124-908-11 1-130-493-00 1-130-493-00 1-126-176-11	ELECT MYLAR MYLAR	100MF 22MF 0.068MF 0.068MF 220MF	20% 20% 5% 5% 20%	50V 50V 50V 50V 6.3V	C2114 C2115 C2116 C2117 C2118	1-161-379-00 1-162-219-31 1-124-925-11 1-161-327-00 1-161-327-00	CERAMIC ELECT CERAMIC		0.01MF 68PF 2.2MF 0.0033MF 0.0033MF	20% 5% 20% 20% 20%	16V 50V 50V 16V 16V	
C1313 C1314 C1315 C1316 C1317	1-126-176-11 1-123-875-11 1-126-101-11 1-130-493-00 1-130-493-00	ELECT ELECT (WG, IT)MYLAR	220MF 10MF 100MF 0.068MF 0.068MF	20% 20% 20% 5% 5%	6.3V 50V 16V 50V 50V	C2119 C2120 C2121 C2122 C2123	1-162-219-31 1-124-925-11 1-161-327-00 1-161-327-00 1-162-219-31	ELECT CERAMIC CERAMIC		68PF 2.2MF 0.0033MF 0.0033MF 68PF	5% 20% 20% 20% 5%	50V 50V 16V 16V 50V	
C1318 C1319 C1351 C1352 C1354	1-161-379-00 1-161-494-00 1-162-286-31 1-123-875-11 1-162-286-31	CERAMIC CERAMIC ELECT	0.01MF 0.022MF 220PF 10MF 220PF	20% 10% 20% 10%	16V 25V 50V 50V 50V	C2124 C2125 C2126 C2127 C2128	1-124-925-11 1-161-327-00 1-161-327-00 1-162-219-31 1-124-925-11	CERAMIC CERAMIC CERAMIC		2.2MF 0.0033MF 0.0033MF 68PF 2.2MF	20% 20% 20% 5% 20%	50V 16V 16V 50V 50V	
C1355 C1356 C1357 C1358 C1360	1-126-176-11 1-124-910-11 1-124-122-11 1-130-495-00 1-130-493-00	ELECT ELECT	220MF 47MF 100MF 0.1MF 0.068MF	20% 20% 20% 5% 5%	6.3V 50V 50V 50V 50V	C2131 C2132 C2133 CF2001	1-124-925-11 1-161-494-00 1-126-101-11 1-567-738-11	CERAMIC ELECT	RAMIC	2.2MF 0.022MF 100MF	20% 20%	50V 25V 16V	
C1361 C1366 C1367 C1368 C1401	1-130-493-00 1-130-493-00 1-130-493-00 1-161-379-00 1-161-744-00	(WG, IT)MYLAR (WG, IT)MYLAR (WG, IT)CERAMIC	0.068MF 0.068MF 0.068MF 0.01MF	5% 5% 5% 20%	50V 50V 50V 16V 400V	CN202 CN702 CN706	*1-564-506-11 *1-564-511-41 *1-564-510-11 *1-564-340-51 1-565-258-11	PLUG, CONNE PLUG, CONNE PIN, CONNECT	CTOR 81 CTOR 71 FOR 6P	P P			
C1402 C1403 C1404 C1405 C1406	1-102-355-00 1-102-355-00 1-124-912-11 I-126-224-11 1-126-224-11	CERAMIC ELECT ELECT	0.01MF 0.01MF 330MF 4700MF 4700MF	20% 20% 20%	250V 250V 50V 42V 42V	CN1003 CN1201 CN1301	2 1-565-258-21 *1-566-858-11 1-565-117-11 1-507-983-11 2 1-565-352-21	SOCKET, CON JACK, LARGE JACK (LARGE	NECTOF Type (1 Type) (R 11P (SYST MIC) (HEADPHOI	NES)	NTRO	L 1)
C1407 C1408 C1409 C1410 C1411	1-126-103-11 1-124-563-11 1-124-563-11 1-124-908-11 1-124-122-11	ELECT ELECT ELECT	470MF 2200MF 2200MF 22MF 100MF	20% 20% 20% 20% 20%	16V 25V 25V 50V 50V	CN1401 2 CN1402 2 CN1402 2	\$\langle 1-555-750-00\$ \$\langle 1-556-035-00\$ \$\langle 1-526-794-11\$ \$\langle 1-526-751-00\$ \$\langle 1-526-794-11\$	(UK)CORD (AEP, WG, IT). (UK)OUTL	, POWE OUT ET, AC	R LET, AC	fili velet satti i liss filo e fil		
C1412 C1413 C1414 C1415 C1416	1-126-103-11 1-126-103-11 1-124-925-11 1-124-556-11 1-124-927-11	ELECT ELECT (UK)ELECT	470MF 470MF 2.2MF 2200MF 4.7MF	20% 20% 20% 20% 20%	16V 16V 50V 16V 50V	CN1405 CNJ707	*1-566-859-11 *1-566-210-11 *1-564-341-71	(UK)PIN, (CONNEC	CTOR 3P	TEM CO	INTRO	L 2)
C1417 C1418 C1421 C1422 C1423		CERAMIC		30% 30%	50V 50V 50V 50V 50V	CP2101 CP2102 CP2103 CP2104	*1-566-452-11 1-233-081-11 1-233-081-11 1-233-081-11 1-233-151-11	COMPOSITION COMPOSITION COMPOSITION	CIRCU CIRCU CIRCU CIRCU	IT BLOCK IT BLOCK IT BLOCK IT BLOCK			
C1424 C2001 C2002 C2003 C2004	1-126-101-11 1-162-294-31 1-124-477-11 1-161-494-00 1-162-211-31	CERAMIC ELECT CERAMIC	47MF 0.022MF	20% 10% 20%	10V 50V 16V 25V 50V	CP2106	1-233-151-11 1-233-151-11 1-806-937-11 1-806-937-11 1-806-937-11	COMPOSITION DIODE GMA01 DIODE GMA01	CIRCU	IT BLOCK	reniñ Norwel Hollo Hollo Norwe Norwe		55 (. 150 a.73 (. 201 . 200 . 200
C2005 C2006 C2101 C2102 C2103	1-162-211-31 1-162-289-31 1-161-374-11 1-124-908-11 1-124-908-11	CERAMIC CERAMIC ELECT	33PF 390PF 0.0015MF 22MF 22MF	5% 10% 20% 20% 20%	50V 50V 16V 50V 50V	D1003 D1004 D1005 D1101 D1102 D1151	1-806-937-11 1-806-937-11 1-806-937-11 1-806-937-11 1-806-937-11	DIODE UZL-9L DIODE GMA01 DIODE GMA01 DIODE GMA01	3				
1 (14) (17) (18) (18) (17) (18)			and the second				Netar Th		to idea	tified by	mark	Acr	dotter

Note: The components identified by mark \bigwedge or dotted line with mark \bigwedge are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description	Ref.No	Part No.	Description				
D1152 D1301 D1302	1-806-937-11 1-806-937-11 1-806-937-11	DIODE GMA01 DIODE GMA01 DIODE GMA01	L1402 L1403	1-410-564-11 1-410-564-11	INDUCTOR	100UH 100UH			
D1303 D1304	8-719-200-77 1-806-937-11	DIODE 10E2N DIODE GMA01	M1107	1-238-079-11	RES, VAR, CAR	BON (MOT	OR) 100	KX2	
			Q1001	8-729-107-98	TRANSISTOR 2				
D1305 D1351	1-806-937-11 1-806-937-11	DIODE GMA01 DIODE GMA01	Q1002 Q1003	9-986-159-01 8-729-806-16	TRANSISTOR 2				
D1401	8-719-302-38	DIODE RBV-602-01	Q1004	8-729-820-10	TRANSISTOR 2				
D1402 D1403	8-719-200-77 8-719-200-77	DIODE 10E2N DIODE 10E2N	Q1005	8-729-806-28	TRANSISTOR 2	503402			
D1404	8-719-200-77	DIODE 10E2N	Q1006 Q1007	8-729-820-23 8-729-806-28	TRANSISTOR 25				
D1405	8-719-200-77	DIODE 10E2N	Q1051	8-729-107-98	TRANSISTOR 2	SC3622A-L			
D1406 D1407	8-719-200-77 8-719-200-77	DIODE 10E2N DIODE 10E2N	Q1101 Q1102	8-729-224-63 8-729-820-23	TRANSISTOR 25				
D1408	8-719-911-50	DIODE HZ5C1	Q1103	9-986-159-01	TRANSISTOR 2	SA1348			
D1409	8-719-002-57	DIODE UZL-30H	Q1104	8-729-801 - 93	TRANSISTOR 2	SD1387			
D1410 D2001	8-719-160-23 1-807-689-11	DIODE RD5.1F-B2 DIODE SLP9070	Q1105 Q1106	8-729-801-83 9-986-159-01	TRANSISTOR 25				
D2002 D2003	1-807-689-11 8-719-969-90	DIODE SLP9070 DIODE SLP3070K	Q1107	8-729-806-28	TRANSISTOR 2				
			Q1151	8-729-224-63	TRANSISTOR 2				
D2004 D2005	8-719-969-90 8-719-969-90	DIODE SLP3070K DIODE SLP3070K	Q1152 Q1201	8-729-820-23 8-729-820-23	TRANSISTOR 25			t e e. Geografia	
D2006	8-719-969-90	DIODE SLP3070K	Q1301	8-729-108-06	TRANSISTOR 2	SC1841			
D2007 D2008	8-719-969-90 1-806-937-11	DIODE SLP3070K DIODE GMA01	Q1303	8-729-806-16	TRANSISTOR 2	5A1346			
D2009	1-806-937-11	DIODE GMA01	Q1351 Q1401	8-729-108-06 8-729-820-23	TRANSISTOR 25				
D2101	1-806-937-11	DIODE GMA01	Q1402	8-729 - 820-23	TRANSISTOR 2	SC3330S			
D2102 D2103	1-806-937-11 1-806-937-11	DIODE GMA01 DIODE GMA01	Q1403 Q2001	8-729-804-67 8-729-820-23	TRANSISTOR 25				
D2104	1-806-937-11		-			4 1			
D2105	1-806-937-11	DIODE GMA01	Q2002 Q2003	8-729-820-23 8-729-820-23	TRANSISTOR 25				
D2106 D2107	1-806-937-11 1-806-937-11	DIODE GMA01 DIODE GMA01		RF	SISTOR				
D2108	1-806-937-11	DIODE GMA01							
D2109	1-806-937-11	DIODE GMA01	R1001 R1002	1-249-441-11 1-249-417-11	CARBON CARBON	100K 1K	5% 5%	1/4W 1/4W	
D2110	1-806-937-11	DIODE GMA01	R1003 R1004	1-249-441-11 1-249-416-11	CARBON CARBON	100K 820	5% 5%	1/4W 1/4W	
D2111 D2112	1-806-937 - 11 1-806-937 - 11	DIODE GMA01 DIODE GMA01	R1004	1-247-897-11	CARBON	560K	5%	1/4W	
D2121	8-719-000-63	DIODE UZL-6M3	R1006	1-249-437-11	CARBON	47K	5%	1/4W	
	1.1-532-259-00	FUSE, TIME-LAG	R1007	1-249-441-11	CARBON	100K	5%	1/4W	
	1-532-259-00 1-532-203-00	FUSE, TIME-LAG FUSE, TIME-LAG	R1008 R1009	1-249-409-11 1-249-409-11	CARBON CARBON	220 220	5% 5%	1/4W 1/4W	
	1-532-203-00		R1010	1-249-417-11	CARBON	1K	5%	1/4W	
FL2001	1-519-441-11	INDICATOR TUBE, FLUORESCENT	R1011		(WG, IT)CARB		5%	1/4W	
IC1001	8-759-600-02	IC M5218LK	R1012 R1013	1-247-903-00 1-249-413-11		1M 470	5% 5%	1/4W 1/4W	
IC1002	8-759-800-37	IC LC4066BH	R1014	1-247-897-11	CARBON	560K	5%	1/4W	
	8-759-802-52 8-759-600-02		R1015	1-249-417-11	CARBON	1K	5%	1/4W	
	8-759-602-04	IC M5226P	R1017 R1020	1-249-417-11 1-247-903-00		1K 1M	5% 5%	1/4W 1/4W	
IC1152	8-759-602-04	IC M5226P	R1021	1-247-897-11	CARBON	560K	5%	1/4W	
101201	0-749-341-32	IC STK4152II IC UPC1237HA	R1022 R1023	1-247-897-11 1-247-897-11		560K 560K	5% 5%	1/4W 1/4W	
IC1401	8-759-604-32	IC M5F7810							
101402	8-759-604-50	(UK)IC M5F7812 IC LC6527CK-3467	R1033 R1034	1-249-433-11 1-249-441-11	CARBON	22K 100K	5% 5%	1/4W 1/4W	
IC1403	8-759-604-33	(UK)IC M5F7812 IC L C6527CK-3467	R1035 R1040	1-249-417-11 1-249-433-11		1K 22K	5% 5%	1/4W 1/4W	
1C2002	8-749-920-03	IC GP1U52	R1040	1-249-433-11		22K	5%	1/4W	
	8-759-600-02 8-759-600-02		R1042	1-249-433-11	CARBON	22K	5%	1/4W	
			R1043	1-249-433-11	CARBON	22K 820K	5%	1/4W 1/4W	
	8-759-600-02 8-759-820 - 07		R1044 R1045	1-247-901-11 1-249-433-11	CARBON	22K	5% 5%	1/4W	
1301 -	* 1-420-872 - 00		R1046	1-249-425-11	CARBON	4.7K	5%	1/4W	
L1351	*1-420-872-00	COIL, AIR CORE (1.9UH) COIL, AIR CORE (1.9UH) INDUCTOR 100UH	R1051	1-249-441-11		100K	- , 0	1/4W	
L1401	1-410-564-11	INDUCTOR 1000H	R1052	1-249-417-11	CARBON	1K	5%	1/4W	
						4		-1- /N	~ -

Note: The components identified by mark A or dotted line with mark A are critical for safety.
Replace only with part number specified.

Ref.No Part No.	Description			Ref.No	Part No.	Description		
C1203 1-124-464-11 C1204 1-124-234-00 C1205 1-161-327-00 C1206 1-124-589-11 C1207 1-162-596-00	ELECT 22N CERAMIC 0.00 ELECT 47N	033MF 20% 16V		C2105 C2106 C2107	1-124-925-11 1-162-219-31 1-124-908-11 1-130-488-00 1-130-488-00	ELECT CERAMIC ELECT MYLAR MYLAR	68PF 22MF 0.027MF	20% 50V 55% 50V 20% 50V 5% 50V 5% 50V
C1301 1-162-286-31 C1302 1-123-875-11 C1304 1-162-286-31 C1305 1-126-176-11 C1306 1-124-910-11	ELECT 10M CERAMIC 220 ELECT 220	MF 20% 50V OPF 10% 50V OMF 20% 6.3	/ /	C2110 C2111 C2112	1-162-219-31 1-124-908-11 1-124-925-11 1-124-925-11 1-161-379-00	CERAMIC ELECT ELECT ELECT CERAMIC	22MF 2.2MF 2.2MF	5% 50V 20% 50V 20% 50V 20% 50V 20% 16V
C1307 1-124-122-11 C1309 1-124-908-11 C1310 1-130-493-00 C1311 1-130-493-00 C1312 1-126-176-11	ELECT 22N MYLAR 0.00 MYLAR 0.00	0MF 20% 50V MF 20% 50V 68MF 5% 50V 68MF 5% 50V 0MF 20% 6.3	! !	C2115 C2116 C2117	1-161-379-00 1-162-219-31 1-124-925-11 1-161-327-00 1-161-327-00	CERAMIC ELECT CERAMIC	68PF 2.2MF 0.0033MF	20% 16V 5% 50V 20% 50V 20% 16V
C1313 1-126-176-11 C1314 1-123-875-11 C1315 1-126-101-11 C1316 1-130-493-00 C1317 1-130-493-00	ELECT 100 ELECT 100 (WG, IT)MYLAR 0.00	DMF 20% 6.3 MF 20% 50\ DMF 20% 16\ 68MF 5% 50\ 68MF 5% 50\		C2120 C2121 C2122	1-162-219-31 1-124-925-11 1-161-327-00 1-161-327-00 1-162-219-31	ELECT CERAMIC CERAMIC	2.2MF 0.0033MF 0.0033MF	5% 50V 20% 50V 20% 16V 20% 16V 5% 50V
C1319 1-161-494-00	CERAMIC 220 ELECT 10M	22MF 25\ 0PF 10% 50\	/ /	C2125 C2126 C2127	1-124-925-11 1-161-327-00 1-161-327-00 1-162-219-31 1-124-925-11	CERAMIC CERAMIC CERAMIC	0.0033MF 0.0033MF 68PF	20% 50V 20% 16V 20% 16V 5% 50V 20% 50V
C1355 1-126-176-11 C1356 1-124-910-11 C1357 1-124-122-11 C1358 1-130-495-00 C1360 1-130-493-00	ELECT 47N ELECT 100 MYLAR 0.1	0MF 20% 6.3 MF 20% 50\ 0MF 20% 50\ MF 5% 50\ 068MF 5% 50\	,	C2132 C2133	1-124-925-11 1-161-494-00 1-126-101-11 1-567-738-11	CERAMIC	0.022MF	20% 50V 25V 20% 16V
C1361 1-130-493-00 C1366 1-130-493-00 C1367 1-130-493-00 C1368 1-161-379-00 C1401 1-161-744-00	(WG, IT)MYLAR 0.0 (WG, IT)MYLAR 0.0 (WG, IT)CERAMIC 0.0	068MF 5% 50\\ 068MF 5% 50\\ 068MF 5% 50\\ 010MF 20% 16\\ 010MF 400	v v	CN202 * CN702 * CN706 *	1-564-506-11 1-564-511-41 1-564-510-11 1-564-340-51 1-565-258-11	PLUG, CONNECTOR 8	P P	
C1402 1-102-355-00 C1403 1-102-355-00 C1404 1-124-912-11 C1405 1-126-224-11 C1406 1-126-224-11	CERAMIC 0.0 ELECT 330 ELECT 470	01MF 250 01MF 250 0MF 20% 50' 00MF 20% 42' 00MF 20% 42'	0V	CN1003 * CN1201 CN1301	1-565-258-21 1-566-858-11 1-565-117-11 1-507-983-11 1-565-352-21		R 11P (SYSTI MIC) (HEADPHON	ES)
C1407 1-126-103-11 C1408 1-124-563-11 C1409 1-124-563-11 C1410 1-124-908-11 C1411 1-124-122-11	ELECT 220 ELECT 220 ELECT 221	0MF 20% 16' 00MF 20% 25' 00MF 20% 25' MF 20% 50' 0MF 20% 50'	V V V	CN1401 ⚠ CN1402 ⚠ CN1402 ⚠	.1-555-750-00 .1-556-035-00 .1-526-794-11 .1-526-751-00 .1-526-794-11		R FLET, AC	de la la la material de la companya
C1412 1-126-103-11 C1413 1-126-103-11 C1414 1-124-925-11 C1415 1-124-556-11 C1416 1-124-927-11	ELECT 470 ELECT 2.2 (UK)ELECT 220	0MF 20% 16 0MF 20% 16 2MF 20% 50 00MF 20% 16 7MF 20% 50	V V V	CN1405 * CNJ707 *	×1-566-210-11 ×1-564-341-71	SOCKET, CONNECTOI (UK)PIN, CONNEC PIN, CONNECTOR 7P HOUSING, CONNECTO	CTOR 3P	EM CONTROL 2)
C1417 1-161-377-00 C1418 1-161-377-00 C1421 1-101-005-00 C1422 1-101-005-00 C1423 1-101-005-00	CERAMIC 0.0	0047MF 30% 50 0047MF 30% 50 0022MF 50 022MF 50 022MF 50	V V	CP2101 CP2102 CP2103 CP2104	1-233-081-11 1-233-081-11 1-233-081-11 1-233-151-11	COMPOSITION CIRCL COMPOSITION CIRCL COMPOSITION CIRCL COMPOSITION CIRCL COMPOSITION CIRCL	IIT BLOCK IIT BLOCK IIT BLOCK IIT BLOCK	
C1424 1-126-101-11 C2001 1-162-294-31 C2002 1-124-477-11 C2003 1-161-494-00 C2004 1-162-211-31	CERAMIC 0.0 ELECT 47 CERAMIC 0.0	00MF 20% 10 001MF 10% 50 MMF 20% 16 022MF 25 3PF 5% 50	V V	CP2106 D1001	1-233-151-11 1-806-937-11	COMPOSITION CIRCU DIODE GMA01 DIODE GMA01	DIT BLOCK	t en in the state of the state
C2005 1-162-211-31 C2006 1-162-289-31 C2101 1-161-374-11 C2102 1-124-908-11 C2103 1-124-908-11	CERAMIC 39 CERAMIC 0.0 ELECT 22	8PF 5% 50 60PF 10% 50 6015MF 20% 16 8MF 20% 50 8MF 20% 50	V ************************************	D1004 D1005 D1101 D1102	8-719-001-09 1-806-937-11 1-806-937-11 1-806-937-11	DIODE UZL-9L3 DIODE GMA01		
		en e			Note: T	ne components ider	ntified by r	nark 🐧 or dotte

Note: The components identified by mark A or dotted line with mark A are critical for safety.

Replace only with part number specified.

Ref.No Part No	Description		Ref.No	Part No.	Description	:			
D1152 1-806-9 D1301 1-806-9 D1302 1-806-9	37-11 DIODE GMA01		L1402 L1403	1-410-564-11 1-410-564-11		100UH 100UH	4		
D1303 8-719-2 D1304 1-806-9	200-77 DIODE 10E2N		M1107	1-238-079-11	RES, VAR, CAR	BON (MOTO	R) 100	KX2	
D1305 1-806-9 D1351 1-806-9 D1401 8-719-3 D1402 8-719-2 D1403 8-719-2	137-11 DIODE GMA01 137-11 DIODE GMA01 102-38 DIODE RBV-602-01 100-77 DIODE 10E2N		Q1001 Q1002 Q1003 Q1004 Q1005	9-986-159-01	TRANSISTOR 25 TRANSISTOR 25	SA1348 SA1346 SA1317-SU			
D1404 8-719-2 D1405 8-719-2 D1406 8-719-2 D1407 8-719-2 D1408 8-719-9	200-77 DIODE 10E2N 200-77 DIODE 10E2N 200-77 DIODE 10E2N		Q1006 Q1007 Q1051 Q1101 Q1102	8-729-806-28 8-729-107-98 8-729-224-63 8-729-820-23	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SC3402 SC3622A-L SK246BL SC3330S			
D1409 8-719-0 D1410 8-719-1 D2001 1-807-6 D2002 1-807-6 D2003 8-719-9	60-23 DIODE RD5.1F-B2 89-11 DIODE SLP9070 89-11 DIODE SLP9070		Q1103 Q1104 Q1105 Q1106 Q1107	8-729-801-93 8-729-801-83 9-986-159-01 8-729-806-28	TRANSISTOR 25	SD1387 SB1013 SA1348 SC3402			
D2004 8-719-9 D2005 8-719-9 D2006 8-719-9 D2007 8-719-9 D2008 1-806-9	169-90 DIODE SLP3070K 169-90 DIODE SLP3070K 169-90 DIODE SLP3070K		Q1151 Q1152 Q1201 Q1301 Q1303	8-729-108-06 8-729-806-16	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SC3330S SC3330S SC1841 SA1346			
D2009 1-806-9 D2101 1-806-9 D2102 1-806-9 D2103 1-806-9 D2104 1-806-9	37-11 DIODE GMA01 37-11 DIODE GMA01 37-11 DIODE GMA01		Q1351 Q1401 Q1402 Q1403 Q2001	8-729-820-23 8-729-820-23 8-729-804-67 8-729-820-23	TRANSISTOR 25 TRANSISTOR 25	SC3330S SC3330S SB1133-R SC3330S			
D2105 1-806-9		11	Q2002 Q2003		TRANSISTOR 25				
D2106 1-806-9 D2107 1-806-9 D2108 1-806-9	37-11 DIODE GMA01 37-11 DIODE GMA01		D1001		SISTOR	*****	F04	- / max	
D2110 1-806-9 D2111 1-806-9 D2111 1-806-9 D2112 1-806-9 D2121 8-719-0	37-11 DIODE GMA01 37-11 DIODE GMA01 37-11 DIODE GMA01		R1001 R1002 R1003 R1004 R1005	1-249-441-11 1-249-417-11 1-249-441-11 1-249-416-11 1-247-897-11	CARBON CARBON CARBON CARBON	100K 1K 100K 820 560K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
F1401 $ ilde{\Lambda}$.1-532-2 F1402 $ ilde{\Lambda}$.1-532-2 F1403 $ ilde{\Lambda}$.1-532-2 F1404 $ ilde{\Lambda}$.1-532-2	59-00 FUSE, TIME-LAG		R1006 R1007 R1008 R1009 R1010	1-249-437-11 1-249-441-11 1-249-409-11 1-249-409-11 1-249-417-11	CARBON CARBON CARBON	47K 100K 220 220 1K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
	41-11 INDICATOR TUBE, FLUORESCE			1-249-417-11 1-247-903-00	(WG, IT)CARB	ON1K 1M	5% 5%	1/4W 1/4W	
IC1003 8-759-8	00-02 IC M5218LK 00-37 IC LC4066BH 02-52 IC LC7818 00-02 IC M5218L		R1013 R1014 R1015	1-249-413-11 1-247-897-11 1-249-417-11	CARBON	470 560K 1K	5% 5% 5%	1/4W 1/4W 1/4W	
	100-02 IC M5218E 102-04 IC M5226P		R1017 R1020	1-249-417-11 1-247-903-00		1K 1M	5% 5%	1/4W 1/4W	
IC1301 9-740-0	02-04 IC M5226P		R1021 R1022 R1023	1-247-897-11	CARBON CARBON	560K	5% 5%	1/4W 1/4W 1/4W	
IC1402 8-759-6	11-68 IC UPC1237HA 104-32 IC M5F7810 104-50 IC M5F7910		R1034	1-249-433-11 1-249-441-11	CARBON	100K	5%	1/4W 1/4W	
IC2001 8-759-8 IC2002 8-749-9	104-33 (UK)IC M5F/812 100-07 IC LC6527CK-3467 120-03 IC GP1U52		R1035 R1040 R1041	1-249-417-11 1-249-433-11 1-249-433-11	CARBON		5% 5% 5%	1/4W 1/4W 1/4W	
IC2102 8-759-6	00-02 IC M5218L		R1042 R1043	1-249-433-11 1-249-433-11		22K 22K	5% 5%	1/4W 1/4W	
IC2103 8-759-6 IC2104 8-759-8	00-02 IC M5218L 20-07 IC LC7566		R1044 R1045 R1046	1-247-901-11 1-249-433-11 1-249-425-11	CARBON CARBON		5% 5% 5%	1/4W 1/4W 1/4W	
L1351 *1-420-8 L1401 1-410-5	72-00 COIL AIR CORE (1.9UH) 72-00 COIL AIR CORE (1.9UH) 64-11 INDUCTOR 100UH		R1051		CARBON			1/4W 1/4W	· .
				Note: The	nomponents is	lantified b	w ma	rk A	or i

Note: The components identified by mark \(\frac{\hat{\Lambda}}{\text{\text{\text{or dotted}}}}\) or dotted line with mark \(\frac{\hat{\Lambda}}{\text{\text{\text{or part of the components}}}\) are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description				Ref.No	Part No.	Description				
R1053 R1054 R1055 R1056 R1057	1-249-441-11 1-249-416-11 1-247-897-11 1-249-437-11 1-249-441-11	CARBON CARBON	820 560K 47K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	R1163 R1164 R1170 R1201 R1202	1-249-412-11 1-249-405-11 1-249-425-11 1-249-441-11 1-249-441-11	CARBON CARBON	390 100 4.7K 100K 100K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1058 R1059 R1060 R1061 R1062	1-249-409-11 1-249-409-11 1-249-417-11 1-249-417-11 1-247-903-00	CARBON CARBON CARBON (WG, IT)CARBON	220 1K 1K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	R1203 R1204 R1205 R1206 R1207	1-249-417-11 1-249-426-11 1-249-431-11 1-249-441-11 1-249-421-11	CARBON CARBON CARBON	1K 5.6K 15K 100K 2.2K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1063 R1064 R1065 R1067 R1070	1-249-413-11 1-247-897-11 1-249-417-11 1-249-417-11 1-247-903-00	CARBON	560K 1K 1K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	R1208 R1303 R1304 R1305 R1306	1-249-417-11 1-249-417-11 1-249-438-11 1-249-414-11 1-249-438-11	CARBON CARBON CARBON	1K 1K 56K 560 56K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1071 R1072 R1073 R1083 R1085	1-247-897-11 1-247-897-11 1-247-897-11 1-249-433-11 1-249-417-11	CARBON CARBON CARBON	560K 560K 22K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	R1307 R1308 R1309 <u>A</u> R1310 R1311	1-247-756-11 1-247-756-11 .1-212-881-11 1-247-752-11 1-247-752-11	CARBON FUSIBLE CARBON	2.2K 2.2K 100 1K 1K	5% 5% 5% 5%	1/2W 1/2W 1/4W 1/2W 1/2W	F
R1090 R1091 R1092 R1093 R1094	1-249-429-11 1-249-429-11 1-249-441-11 1-249-417-11 1-249-433-11		10K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	R1312 R1313 R1314 R1315 R1316	1-249-417-11 1-249-431-11 1-217-156-00 1-249-441-11 1-247-727-11	CARBON RES, METAL PLA	1K 15K TE 0.22 100K 10	5% 5% 5% 5%	1/4W 1/4W 5W 1/4W 1/2W	
R1095 R1096 R1097 R1098 R1101	1-249-433-11 1-249-433-11 1-249-433-11 1-249-433-11 1-249-441-11	CARBON CARBON CARBON	22K 22K 22K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	R1317 R1318 R1319 R1320 R1321	1-247-727-11 1-249-438-11 1-249-429-11 1-249-441-11 1-249-431-11	CARBON CARBON CARBON	10 56K 10K 100K 15K	5% 5% 5% 5%	1/2W 1/4W 1/4W 1/4W 1/4W	
R1102 R1103 R1104 R1105 R1106	1-249-417-11 1-249-441-11 1-249-425-11 1-249-425-11 1-249-441-11	CARBON	1K 100K 4.7K 4.7K 100K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		1-249-437-11 1-247-764-11 .1-216-430-11 1-247-750-11 1-247-727-11		47K 10K 390 680	5% 5% 5% 5% 5%	1/4W 1/2W 1W 1/2W 1/2W	F
R1107 R1108 R1109 R1110 R1111	1-247-903-00 1-249-428-11 1-249-433-11 1-249-422-11 1-247-895-00	CARBON CARBON CARBON CARBON CARBON	1M 8.2K 22K 2.7K 470K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	R1353 R1354 R1355 R1356 R1357	1-249-417-11 1-249-438-11 1-249-414-11 1-249-438-11 1-247-756-11	CARBON CARBON CARBON	1K 56K 560 56K 2.2K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/2W	
R1112 R1113 R1114 R1115 R1118	1-249-427-11 1-249-412-11 1-249-405-11 1-249-429-11 1-249-425-11	CARBON CARBON CARBON	390 100 10K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		1-247-756-11 .1-212-881-11 1-249-417-11 1-249-431-11 1-217-156-00	FUSIBLE CARBON	2.2K 100 1K 15K TE 2	5% 5% 5% 5%	1/2W 1/4W 1/4W 1/4W	F
R1120 R1121 R1122 R1123 R1124	1-249-425-11 1-249-417-11 1-249-417-11 1-249-394-11 1-249-394-11	CARBON CARBON CARBON	1K 1K 12	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	R1365 R1366 R1367 R1368 R1375	1-249-441-11 1-247-727-11 1-247-727-11 1-249-437-11 1-247-750-11	CARBON CARBON CARBON	100K 10 10 47K 680	5% 5% 5% 5% 5%	1/4W 1/2W 1/2W 1/4W 1/2W	
R1125 R1127 R1128 R1151 R1152	1-249-420-11 1-247-727-11 1-247-727-11 1-249-441-11 1-249-417-11	CARBON CARBON CARBON	10 10 100K	5% 5% 5% 5% 5%	1/4W 1/2W 1/2W 1/4W 1/4W	R1376 R1401 R1402 R1403 R1404	1-247-727-11 1-249-409-11 1-249-422-11 1-249-428-11 1-249-425-11	CARBON CARBON	110 220 2.7K 8.2K 4.7K	5% 5% 5% 5% 5%	1/2W 1/4W 1/4W 1/4W 1/4W	
R1153 R1154 R1155 R1156 R1157	1-249-441-11 1-249-425-11 1-249-425-11 1-249-441-11 1-247-903-00	CARBON CARBON CARBON	4.7K 4.7K 100K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	R1408 ₫	1-249-429-11 1-249-441-11 1-249-426-11 1-212-934-00 .1-212-849-00	CARBON CARBON FUSIBLE	10K 100K 5.6K 1 4.7	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/2W 1/4W	F F
R1158 R1159 R1160 R1161 R1162	1-249-428-11 1-249-433-11 1-249-422-11 1-247-895-00 1-249-427-11	CARBON CARBON CARBON	22K 2.7K 470K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	R1410 A R2001 R2002 R2003 R2004	.1-212-849-00 1-247-746-11 1-247-749-11 1-247-749-11 1-247-749-11	CARBON CARBON CARBON	4.7 390 560 560 560	5% 5% 5% 5% 5%	1/4W 1/2W 1/2W 1/2W 1/2W	F

Note: The components identified by mark \bigwedge or dotted line with mark \bigwedge are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description				
R2005 R2006	1-247-749-11 1-247-749-11	CARBON	560 560	5% 5%	1/2W 1/2W	
R2007	1-249-429-11	CARBON	10K	5%	1/4W	
R2010 R2011	1-249-417-11 1-249-417-11	CARBON	1K 1K	5% 5%	1/4W 1/4W	
	1 040 400 11	CADDON	101/		1////	
R2012 R2013	1-249-429-11 1-249-429-11	CARBON	10K 10K	. 5%. 5%	1/4W 1/4W	
R2101	1-249-409-11	, and the second	220	5%	1/4W	
R2121 R2122	1-249-441-11 1-249-432-11	CARBON CARBON	100K 18K	5% 5%	1/4W 1/4W	
R2123	1-249-441-11	CARBON	100K	5%	1/4W	
R2124	1-247-903-00	CARBON	1M	5%	1/4W	4.
R2125 R2126	1-249-441-11 1-249-417-11	CARBON CARBON	100K 1K	5% 5%	1/4W 1/4W	
R2127	1-249-405-11	CARBON	100	5%	1/4W	
R2128	1-247-885-00	CARBON	180K	5%	1/4W	
R2129	1-249-429-11	CARBON	10K	5%	1/4W	
R2130 R2131	1-249-412-11 1-249-441-11	CARBON CARBON	390 100K	5% 5%	1/4W 1/4W	
R2132	1-249-423-11	CARBON	3.3K	5%	1/4W	
R2133	1-247-903-00		1M	5%	1/4W	
R2134 R2135	1-247-903-00 1-249-441-11	CARBON CARBON	1M 100K	5% 5%	1/4W 1/4W	
R2136	1-249-440-11	CARBON	82K	5%	1/4W	
R2137	1-249-423-11	CARBON	3.3K	5%	1/4W	
R2138	1-247-901-11		820K	5%	1/4W	
R2139 R2140	1-249-441-11 1-249-439-11	CARBON	100K 68K	5% 5%	1/4W 1/4W	
R2141	1-249-423-11	CARBON	3.3K	5%	1/4W	
R2142	1-247-899-11	CARBON	680K	5%	1/4W	
R2143	1-249-441-11		100K	5%	1/4W 1/4W	
R2144 R2145	1-249-433-11 1-249-417-11	CARBON CARBON	22K 1K	5% 5%	1/4W	
R2146 R2147	1-247-887-00 1-249-441-11	CARBON CARBON	220K 100K	5% 5%	1/4W 1/4W	
R2148 R2149	1-249-426-11 1-249-439-11		5.6K 68K	5% 5%	1/4W 1/4W	
R2150	1-249-413-11	CARBON	470	5%	1/4W	
R2151 R2152	1-249-417-11 1-249-441-11	CARBON CARBON	1K 100K	5% 5%	1/4W 1/4W	
				-		
R2153 R2175	1-249-441-11 1-249-441-11		100K 100K	5% 5%	1/4W 1/4W	
RV1101	1-238-065-21	RES, VAR, SLID	E 250K/25	OK (GE() 100Hz)	
	1-238-065-21	RES, VAR, SLID	E 250K/25	OK (GEO	(330Hz)	
	1-238-065-21 1-238-065-21	RES, VAR, SLID RES, VAR, SLID				
	1-238-065-21	RES, VAR, SLID				
RV1106	1-237-882-11	RES, VAR, CAR	BON 100K	(BALAI	NCE)	
RV1107	1-238-079-11	RES, VAR, CAR	BON(MOT	OR) 100	KX2 (VOLU	
RV1201	1-238-100-11	RES, VAR, CAR	BON TOOK	TOOK (I	VIIC LEVEL)	
RY1301	1-515-501-00	RELAY				
S1101	1-571-292-11	SWITCH, PUSH			<u> </u>	
S1102 S1401 /	1-571-292-11 1-554-920-11	SWITCH, PUSH SWITCH, PUSH				FR)
S2001	1-554-303-21	SWITCH, KEY E	OARD (E	QUALIZE		
S2002	1-554-303-21	SWITCH, KEY B	WARD (PI	HUNO)		
S2003	1-554-303-21	SWITCH, KEY B				
S2004 S2005	1-554-303-21 1-554-303-21	SWITCH, KEY B				
S2006	1-554-303-21	SWITCH, KEY B			en en flysket. Magazie	
T1401 🚹	<u>\.</u> 1-449-369-11	TRANSFORMER	, POWER		B Milay	
				5		

Note: The components identified by mark A or dotted line with mark A are critical for safety.

Replace only with part number specified.

English 88E0453-1 Printed in Japan ©1988.5

TM1301 1-536-705-00 TERMINAL BOARD (SP) (SPEAKER)